# High School to College and Career Pathway: Post-Secondary

| | | |
|---|---|---|
| **Region:** | Southwest | **Area of Study:** | Information Technology |
| **District:** | Washington | **Pathway:** | Programming & Software Development |
| **School:** | | **College/Institution:** | Dixie State College |
| **Contact:** | Cheryl Cox | **Articulation Agreement in Place?** | |
| **Phone:** | (435) 673-3553 x201 | **Date:** | |
| **Email:** | ccox@washk12.org | | |

*Name of Degree or Certificate: Bachelors of Science Computer Information Technology Computer Science Emphasis*

| Legend (CTE Course Type) | |
|---|---|
| I = Introductory Course: (preferred) | E = Elective Course |
| F = Foundation Course: (required) | A = Additional Articulated Course |

| | | Core Code | High School Suggested Academic Courses | H S Credit | Concurrent College Credits | College Course # | College General Education Requirements | College Credits |
|---|---|---|---|---|---|---|---|---|
| | | | **HIGH SCHOOL** | | | | **COLLEGE** | |
| | | | AP Biology | 1 | ➡ 3 | BIOL 1010 | General Biology | 3 |
| | | | Honors Chemistry (HHS also DSC) | 1 | ➡ 3 | CHEM 1010 | Intro to Chemistry | 3 |
| | | | | | 3 | ENGL 1010 | Introduction to Writing | 3 |
| | | | | | 1 | LIB 1010 | Information Literacy | 1 |
| | | | | | 3 | ENGL 2010 | Intermediate Writing | 3 |
| | | | | | 4 | MATH 1050 | College Algebra/Precalculus | 4 |
| | | | | | 3 | HIST 1700 | American Civilization | 3 |
| | | 8518 | Computer Technology | 0.5 | ⬅ 3 | CIS 1200 | Computer Literacy | 3 |
| | | | | | 3 | ART 1010 | Introduction to Art | 3 |
| | | | | | 3 | PSY 1010 | General Psychology | 3 |
| | | | | | 3 | HUM 1010 | Intro to Humanities | 3 |
| | | | | | | ENGL 3010 | Writing in the Professions | 3 |

***Note:*** *College credit can be earned in high school through concurrent enrollment. Other high school courses provide a knowledge base for college programs. This is a regional agreement; some of these classes may not be available i*

| CTE Pathway Course | CTE Course Type | CIP # | High School Suggested CTE Pathway Courses | H S Credit | Concurrent College Credits | College Course # | College Major Course Requirements | College Credits |
|---|---|---|---|---|---|---|---|---|
| X | F | 11.0201 | Computer Programming I | 1 | | | | |
| X | F* | 11.0202 | Computer Programming II | 1 | | | | |
| X | F* | 11.0301 | Data base Development | 1 | | | | |
| X | E | 11.0101 | Information Technology, Intro | 0.5 | | | | |
| X | E | 11.0210 | Multimedia I: Design & Developme | 1 | | | | |
| X | E | 11.0230 | Web Development I | 1 | | | | |
| X | E | 32.0199 | Student Internship | 0.5 | | | | |
| X | A | | | | 3 | CS 1400 | Fundamentals of Programming | 3 |
| X | A | | | | 3 | CS 1410 | Object-Oriented Programming | 3 |
| X | A | | | | 3 | IT 1100 | Introductions to Operating Systems | 3 |
| X | A | | | | 3 | IT 2400 | Introduction to Networking | 3 |
| X | A | | | | 5 | MATH 1210 | Calculus I | 5 |
| X | A | | | | 3 | VT 1300 | Communications Design | 3 |
| X | A | | | | 3 | VT 1400 | Intro to Internet Development | 3 |
| X | A | | | | 3 | VT 2500 | Computer Illustration | 3 |
| X | A | | | | 3 | VT 2600 | Creative Imaging | 3 |
| X | A | | | | | CS 2420 | Intro to Algorithms & Data Structures | 3 |
| X | A | | | | | CS 2450 | Software Engineering | 3 |
| X | A | | | | | CS 3500 | Application Development | 3 |
| X | A | | | | | IT 3100 | Systems Design & Administration I | 3 |
| X | A | | | | | IT 3500 | Electronic Commerce | 3 |
| X | A | | | | | VT 3000 | Internet Publishing & Design | 3 |
| X | A | | | | | VT 3100 | Interactive Multimedia | 3 |
| X | A | | | | | VT or IT 4600 | Senior Project | 3 |
| X | | | | | | | **CIT Electives** | 21 |
| X | | | | | | | | |
| X | | | | | | | | |
| X | F* | | *Choose 1* | | | | | |
| X | | | | | | | | |
| X | | | | | | | | |
| X | | | | | | | | |
| X | | | | | | | | |

**Note:** College credit can be earned in high school through concurrent enrollment. Other high school courses provide a knowledge base for college programs. This is a regional agreement; some of these classes may not be available i

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| X | | | | | | | | |
| X | | | | | | | | |
| X | | | | | | | | |
| X | | | | | | | | |
| X | | | | | | | | |
| X | | | | | | | | |
| X | | | | | | | | |
| X | | | | | | | | |
| X | | | | | | | | |
| **Total potential hours earned in High School:** | | | | 73 | | | | 120 |

*Note:* College credit can be earned in high school through concurrent enrollment. Other high school courses provide a knowledge base for college programs. This is a regional agreement; some of these classes may not be available i